

METHOD AND SYSTEM FOR TEMPERATURE
GRADIENT CONTROL IN AN ELECTRONICS SYSTEM

ABSTRACT OF THE DISCLOSURE

5 An apparatus includes a plurality of
Transmit/Receive (T/R) modules (20) coupled with a slat
assembly (34). The slat assembly includes a fluid
passageway (54). A plurality of turbulence inducing
10 structures (62, 162, 262, 104, 204, 304, 462) are
disposed within the fluid passageway. In one embodiment,
the turbulence inducing structures includes constrictions
(62) extending from a surface (55) of the fluid
passageway. The location and configuration of the
structures is selected to achieve a predetermined
temperature profile along the passageway, in response to
fluid flow through the fluid passageway.